

Parts Manual for
SNAPPER®

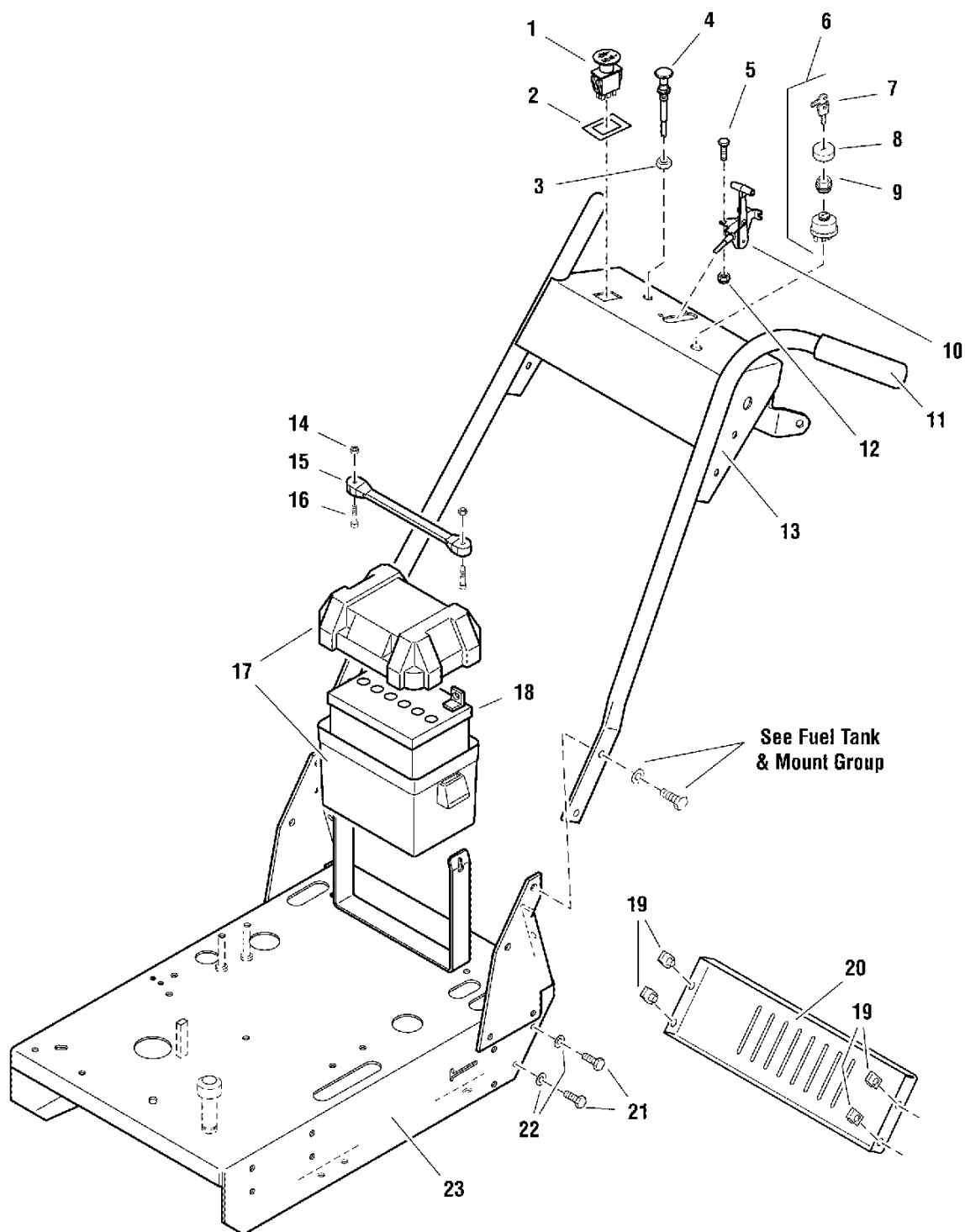
**PRO 32" HYDRO DRIVE
COMMERCIAL MOWERS
HYDRO CUT SERIES**

MODEL
HC32KAV13E



SNAPPER® McDonough, GA, 30253 U.S.A.

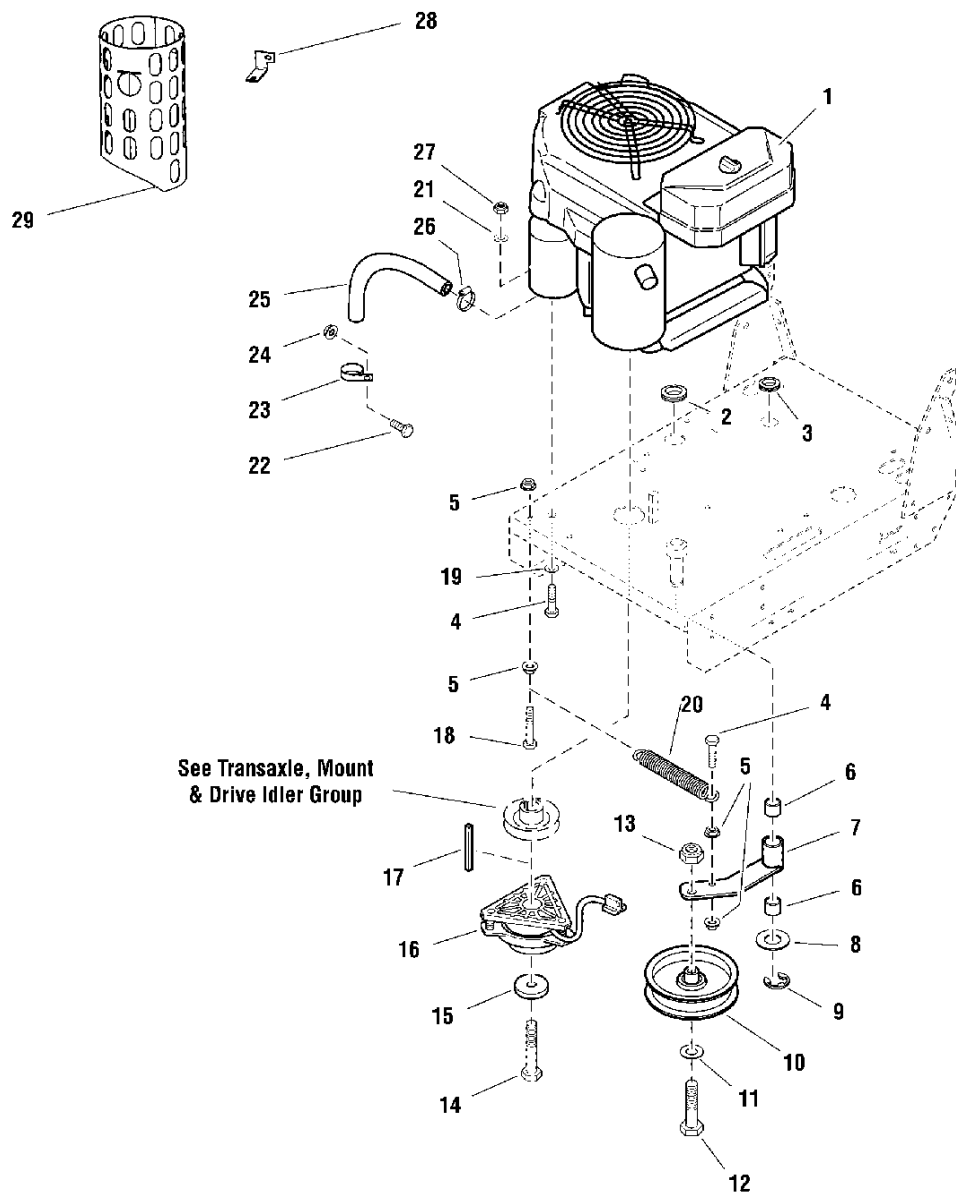
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Engine Frame & Handle Bars Group - Electric Start

Item	Part No	Qty	Description	Note
1	5022180	1	SWITCH, BLADE ENGAGEMENT	
2	5022222	1	RING, SWITCH RETAINER	
3	5025035	1	NUT, 3/8-24 HEX	
4	5046501	1	CABLE, CHOKE CONTROL, 47"	(Includes Ref. No. 3)
5	5025010X6	4	BOLT, 1/4-20 X 3/4" GD5 YZ	(2 for battery terminals - not shown)
6	5020927	1	SWITCH, IGNITION, 6 POST	(Includes Ref No. 7 - 9)
7	5022789	1	KEY, Ignition, Molded Set	
8	5022790	1	COVER	
9	5022791	1	PLASTIC NUT	
10	5047629	1	CABLE, THROTTLE CONTROL, 48"	
11	5021841	2	GRIP, FOAM, .940" X 5" X .187"	
12	5025391	2	NUT, 1/4-20 HEX NYLOCK FLANGE	
13	5061279D	1	WELD, HANDLE BAR, TD	
14	5025271	2	NUT, #10-24 HEX NYLON LOCK	
15	5021670	1	STRAP, RUBBER	
16	5025270	2	SCREW, #10-24 X 1" RS	
17	5046188	1	BATTERY BOX W/ DRAIN	
18	-	1	BATTERY, WET (BCIU1, 340 CCA)	
19	5022308	4	BODY CLIP, 5/16-18 X 1/2" DEEP	
20	5047735D	1	SHIELD, REAR	
21	5025011X8	4	BOLT, 5/16-18 X 1" GD5 YZ	
22	5025155	4	WASHER, 5/16" SAE	
23	5049229D	1	WELD, ENGINE DECK, HC36	
24	5025126	2	NUT, 1/4-20 HEX SERR. FLANGE	(for battery terminals - not shown)

Footnotes:

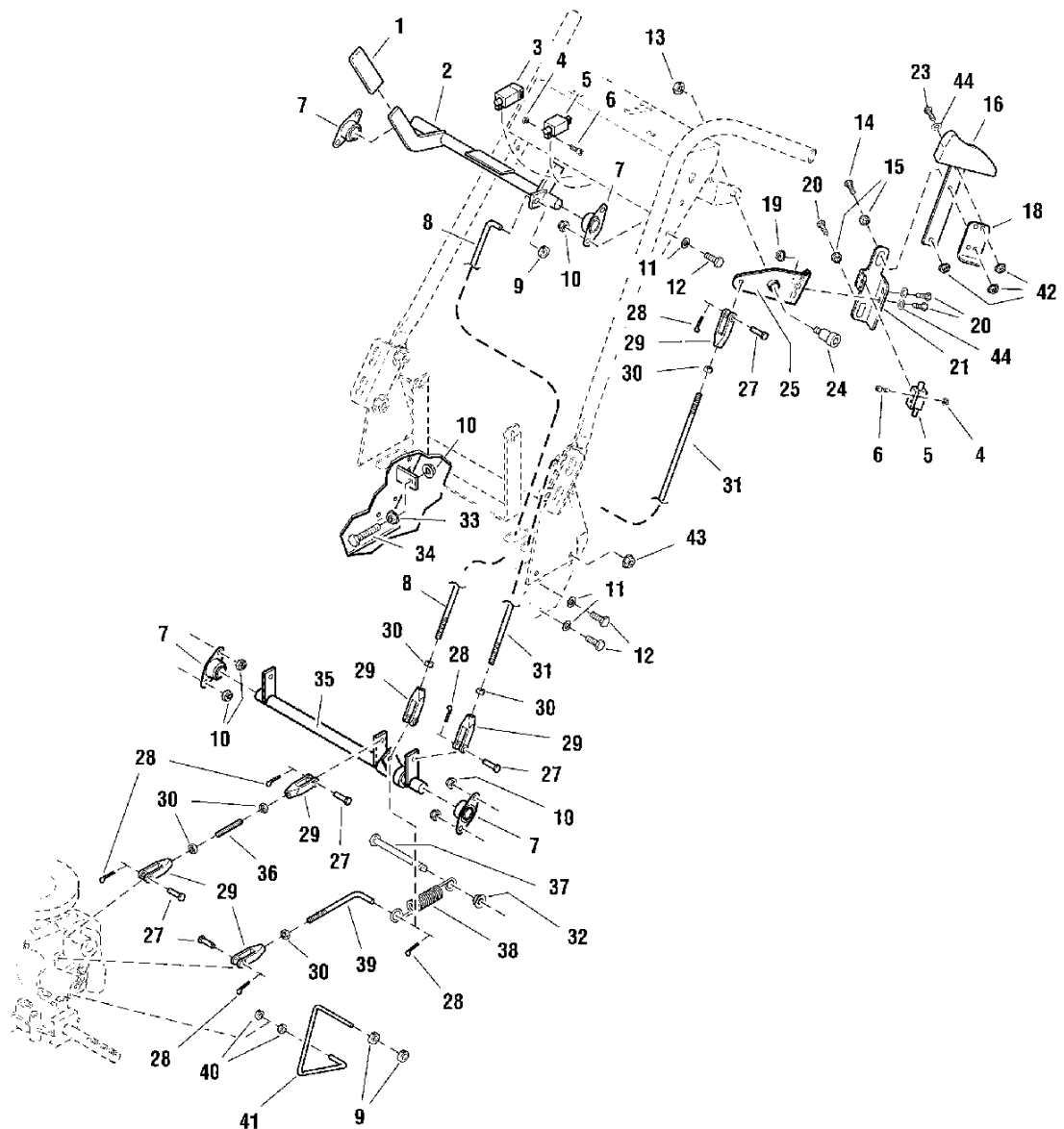


Engine, PTO & Deck Drive Idler Group

Item	Part No	Qty	Description	Note
1		1	* ENGINE, 13HP KAW ELEC START Mod. FH381V-BS28-R	
2	5021379	1	GROMMET, 7/8	
3	5021077	1	GROMMET, 1/2	
4	5025011X12	5	BOLT, 5/16-18 X 1-1/2" GD5 YZ	
5	5025139	4	NUT, 5/16-18 Hex Large Serrated Flange	
6	5020876B	2	BUSHING, BRASS, 3/4 X 1 X 1	
7	5047661D	1	DECK DRIVE IDLER ARM	
8	5025160	1	WASHER, 3/4" SAE	
9	5020863	1	C-CLIP	
10	5021369	1	IDLER PULLEY	
11	5025158	1	WASHER, 1/2" SAE	
12	5025018X20	1	BOLT, 1/2-20 X 2-1/2" GD5 YZ	
13	5025098	1	NUT, 1/2-20 Hex Nylon Lock	
14	5047632	1	BOLT, CRANKSHAFT, 7/16"X2.75	
15	5042132	1	SPACER, .45 x 1.62 x .37	
16	1717664	1	CLUTCH,#504586, ELECTRIC, OGURA JD-11	
17	5050407X3	1	KEY, 1/4 SQ. X 2	
18	5025011X18	1	BOLT, 5/16-18 X 2-1/4" GD5 YZ	
19	5025155	5	WASHER, 5/16" SAE	
20	5021103	1	SPRING, Extension	
21	5025155	5	WASHER, 5/16" SAE	
22	5025011X6	1	BOLT, 5/16-18 X 3/4" GD5	
23	5023173	1	CLAMP, HOSE, 1.000 DIA.	
24	5025127	1	NUT, 5/16-18 HEX SERRATED FLANGE (SMALL)	
25	5050857X10	1	HOSE, 1/2" PUSH-ON, 10.50"	
26	5021392	1	CLAMP, #6 HOSE, STAINLESS	
27	5025057	4	NUT, 5/16-18 HEX NYLON LOCK	
28	5049340D	1	BRACKET, MUFFLER GUARD - RED	
29	5049338D	1	WELD, MUFFLER GUARD - RED	
30	5022665	2	BODY CLIP, 1/4-20 X 1/2" DEEP	(Not Shown)
31	5025249	1	BOLT, M8-1.25 X 20MM GD8.8	(Not Shown)

Footnotes:

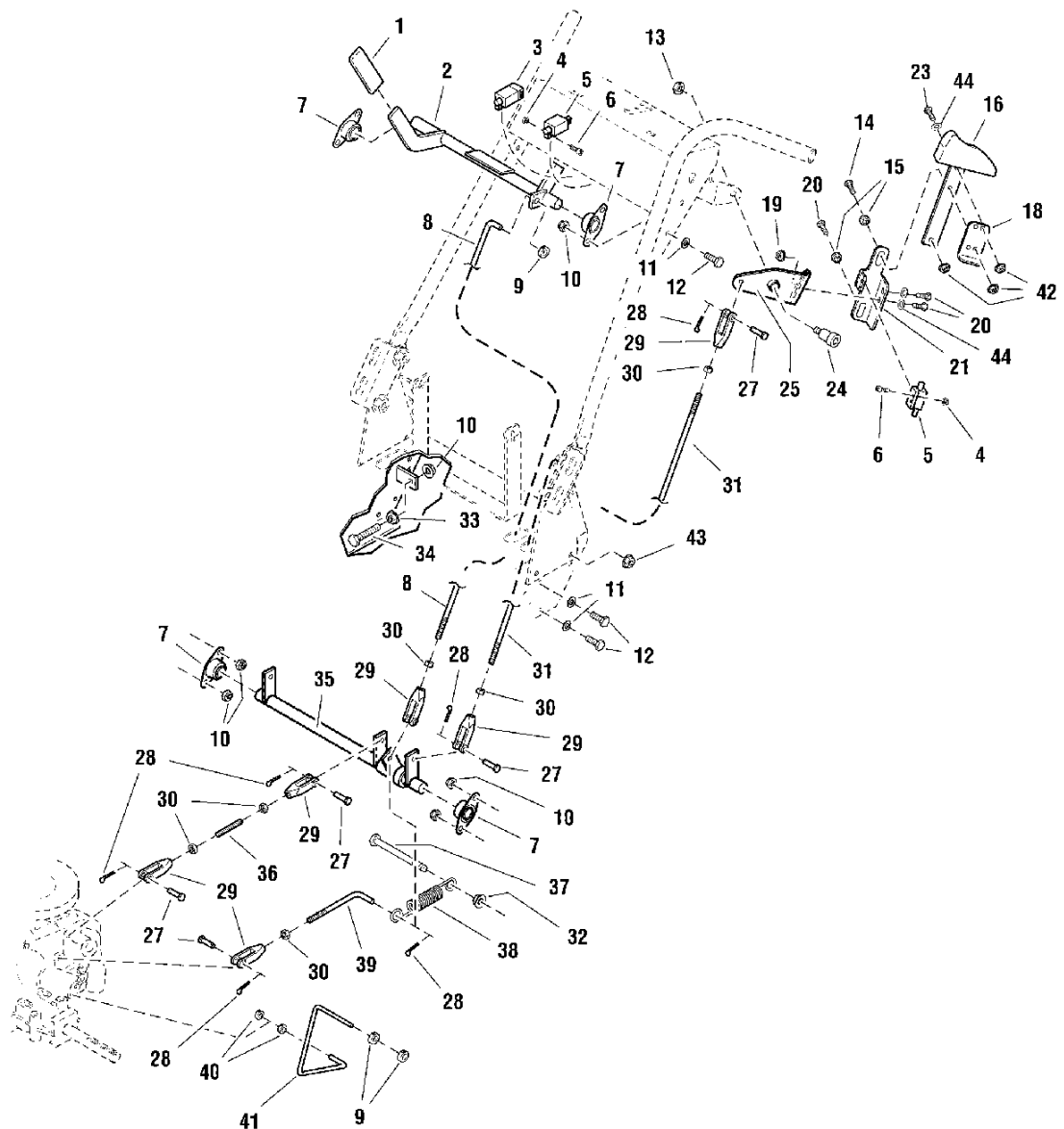
*NOTE: Purchase engine components directly from engine manufacturer dealer.



Motion Control, Parking Brake & Operator Presence Group - Electric Start

Item	Part No	Qty	Description	Note
1	5025510	1	GRIP, FOAM, 1/4" X 1	
2	5061278D	1	WELD, BRAKE CONTROL	
3	5022438	1	SWITCH, Plunger, NO/NO	
4	5025029	8	NUT, #10-24 HEX	
5	5021769	3	SWITCH, Plunger, NC	
6	5025179X4	8	SCREW, #10-24 X 1/2" ROUND PHILLIPS	
7	5021098	4	BEARING, BRONZE FLANGE, 3/4	
8	5061495	1	ROD, PARKING BRAKE LINKAGE	
9	5020047	3	COLLAR, 5/16" SET	
10	5025392	9	NUT, 5/16-18 HEX NYLOCK FLANGE	
11	5025155	8	WASHER, 5/16" SAE	
12	5025011X6	8	BOLT, 5/16-18 X 3/4" GD5	
13	5025100	2	NUT, 3/8-16 HEX SIDE LOCK	
14	5025010X8	2	BOLT, 1/4-20 X 1", GD5	
15	5061693	4	SPACER, SLIDE	
16	5061691	1	HANDLE, RUBBER HYDROCUT - LH	
17	5061702	1	HANDLE, RUBBER HYDROCUT - RH	(Not Shown)
18	5061713D	2	ACTUATOR, SWITCH	
19	5025126	4	NUT, 1/4-20 HEX SERR. FLANGE	
20	5025010X6	6	BOLT, 1/4-20 X 3/4" GD5 YZ	
21	5061689	1	MOUNT, MOTION CONTROLS - LH	
22	5061692	1	MOUNT, MOTION CONTROLS - RH	(Not Shown)
23	5025010X5	2	BOLT, 1/4-20 X 5/8" GD5 YZ	
24	5025223	2	BOLT, 3/8-16 X 1.0", 1/2" SHOULDER	
25	5061683D	1	WELD, ARM CONTROL, LH	
26	5061685D	1	WELD, ARM CONTROL, RH	(Not Shown)
27	5025213X8	7	PIN, CLEVIS, 5/16" X 1	
28	5025201X6	7	PIN, COTTER, 3/32" X 3/4	
29	5020979	10	CLEVIS, 5/16-24, PLASTIC	
30	5025033	8	NUT, 5/16-24 HEX	
31	5047642	2	ROD, THUMB CONTROL LINKAGE	
32	5025128	1	NUT, 3/8-16 HEX SERRATED FLANGE	
33	5025139	1	NUT, 5/16-18 HEX SERRATED FLANGE (LARGE)	
34	5023157	1	BOLT, 5/16-18 X 1 1/2" FLANGE	
35	5047697D	1	WELD, CONTROL SHAFT	
36	5047740	1	LINK, STUD	
37	5025013X32	1	BOLT, 3/8-16 X 4" GD5 YZ	

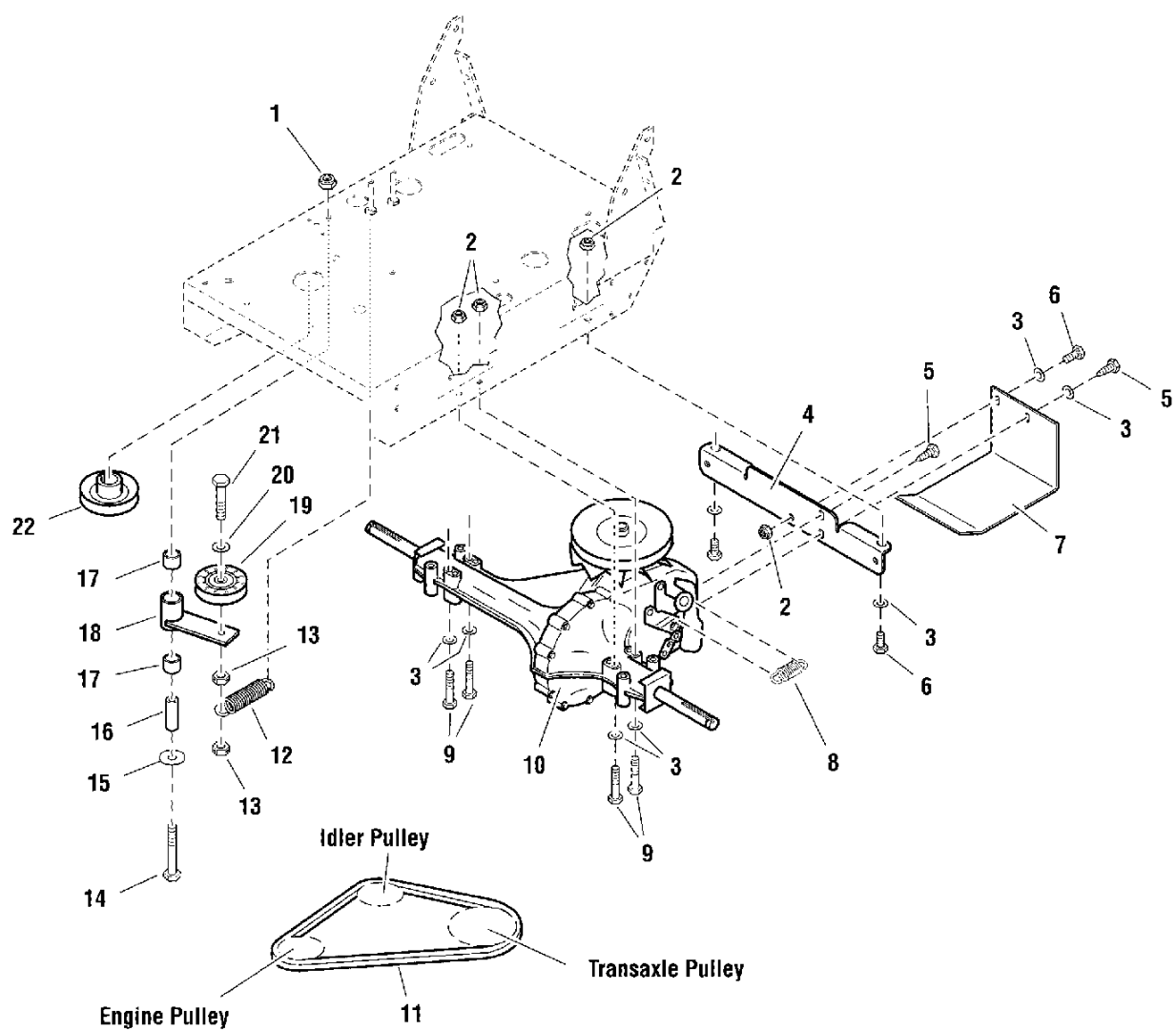
Footnotes:



Motion Control, Parking Brake & Operator Presence Group - Electric Start

Item	Part No	Qty	Description	Note
38	5049352	1	SPRING, EXT, 3.875 X .70 LOOP	
39	5048328	1	LINK, PARKING BRAKE LOWER	
40	5022481	2	COLLAR, 1/4" SET	
41	5047732	1	LEVER, DUMP VALVE	
42	5025391	6	NUT, 1/4-20 HEX NYLOCK FLANGE	
43	5025394	1	NUT, 3/8-16 HEX NYLOCK FLANGE	
44	5025154	6	WASHER, 1/4" SAE	

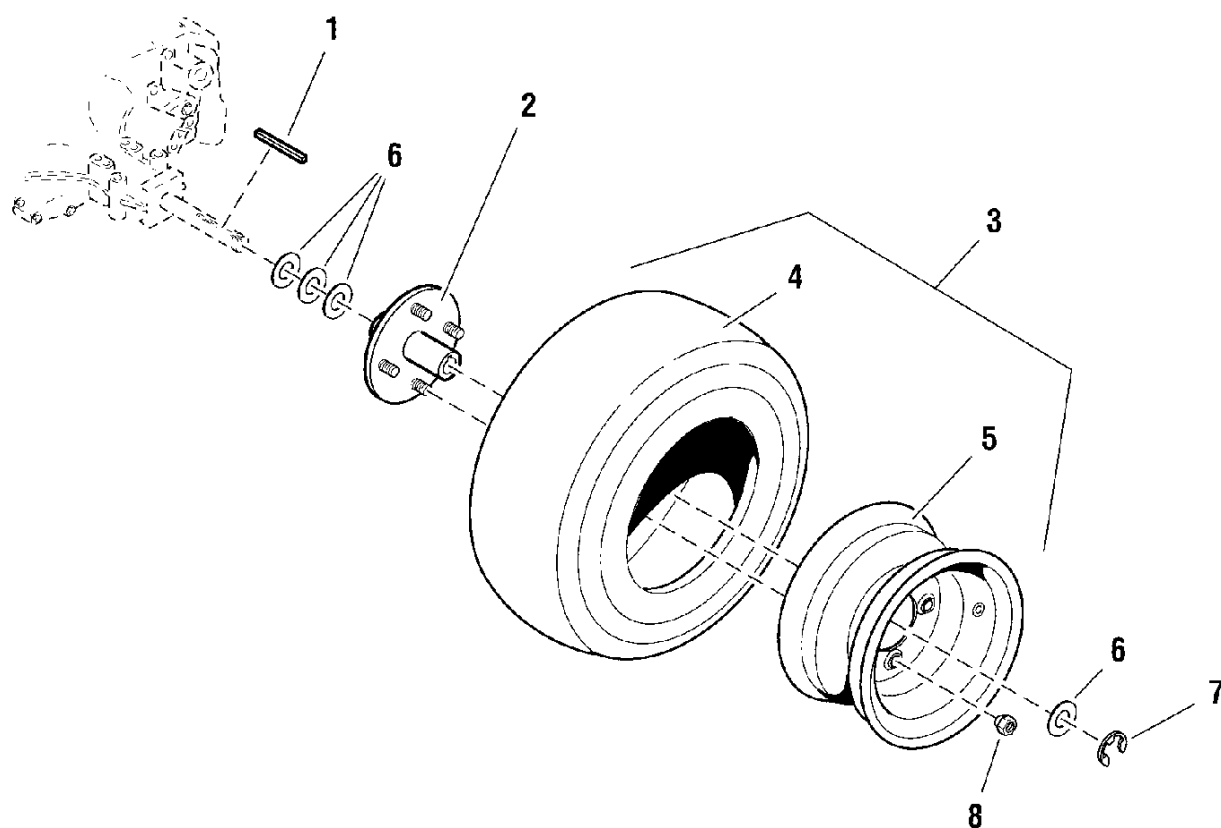
Footnotes:



Transaxle & Mount Group

Item	Part No	Qty	Description	Note
1	5025394	1	NUT, 3/8-16 HEX NYLOCK FLANGE	
2	5025392	6	NUT, 5/16-18 HEX NYLOCK FLANGE	
3	5025155	7	WASHER, 5/16" SAE	
4	5047582D	1	BRACE, TRANSAXLE	
5	5025059X6	2	BOLT, 5/16-18 X 3/4", SELF-TAPPING	
6	5025011X8	3	BOLT, 5/16-18 X 1" GD5 YZ	
7	5048312D	1	SKID PLATE	
8	5022967	1	HYDRO RETURN SPRING	
9	5025011X24	4	BOLT, 5/16-18 X 3" GD5 YZ	
10	5022905	1	TRANSAXLE, HYDROSTATIC	
11	5023058	1	BELT,# 46-4631	
12	5020807	1	SPRING, EXTENSION	
13	5025100	2	NUT, 3/8-16 HEX SIDE LOCK	
14	5025013X24	1	BOLT, 3/8-16 X 3" GD5 YZ	
15	5025165	1	WASHER, 3/8" FENDER	
16	5047716	1	SPACER, .41 X .75 X 2.06	
17	5020876B	2	BUSHING, BRASS, 3/4 X 1 X 1	
18	5047717D	1	PIVOT ARM, WELDMENT	
19	5043627	1	PULLEY, IDLER ASSEMBLY	
20	5025156	1	WASHER, 3/8" SAE	
21	5025013X16	1	BOLT, 3/8-16 X 2" GD5 YZ	
22	5047914	1	PULLEY, DRIVE, 4.50 OD X 1.000 ID	

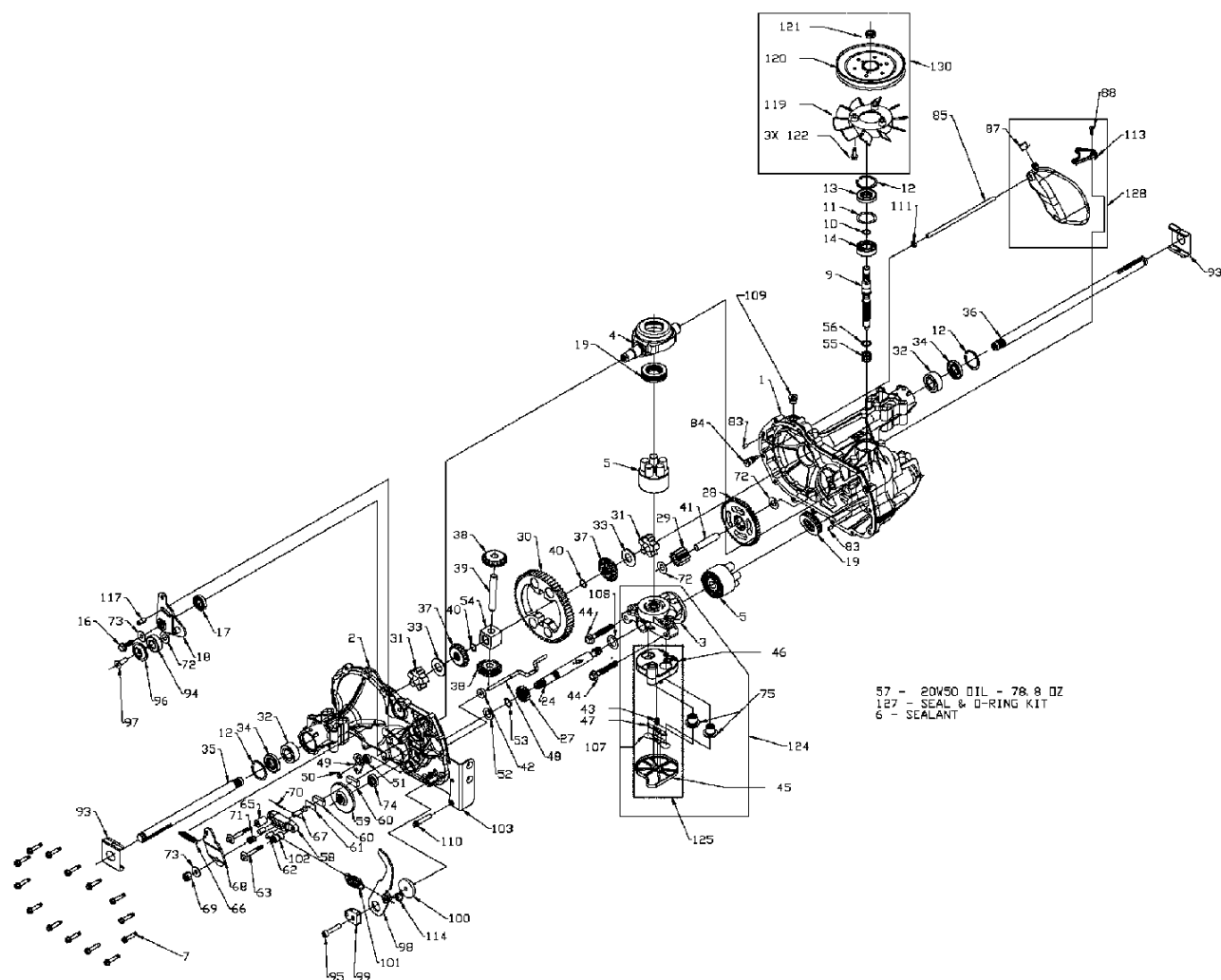
Footnotes:



Tire & Wheel Group

Item	Part No	Qty	Description	Note
1	5048409	2	KEY, 3/16 SQ. X 2-1/2	
2	5048417	2	DRIVE HUB	<i>(Includes Ref No. 8)</i>
3	5023104	2	WHEEL & TIRE ASSEMBLY, 16 x 6.5 x 8, Complete	<i>(Includes Ref No. 4 & 5)</i>
4	5023104X2	2	TIRE, 16. x 6.5 x 8	
5	5023104X1	2	WHEEL ASSEMBLY, 8 x 5.38	
6	5025520X3	8	SHIM	
7	5020863	2	C-CLIP	
8	5020601	8	LUG NUT, 1/2-20	

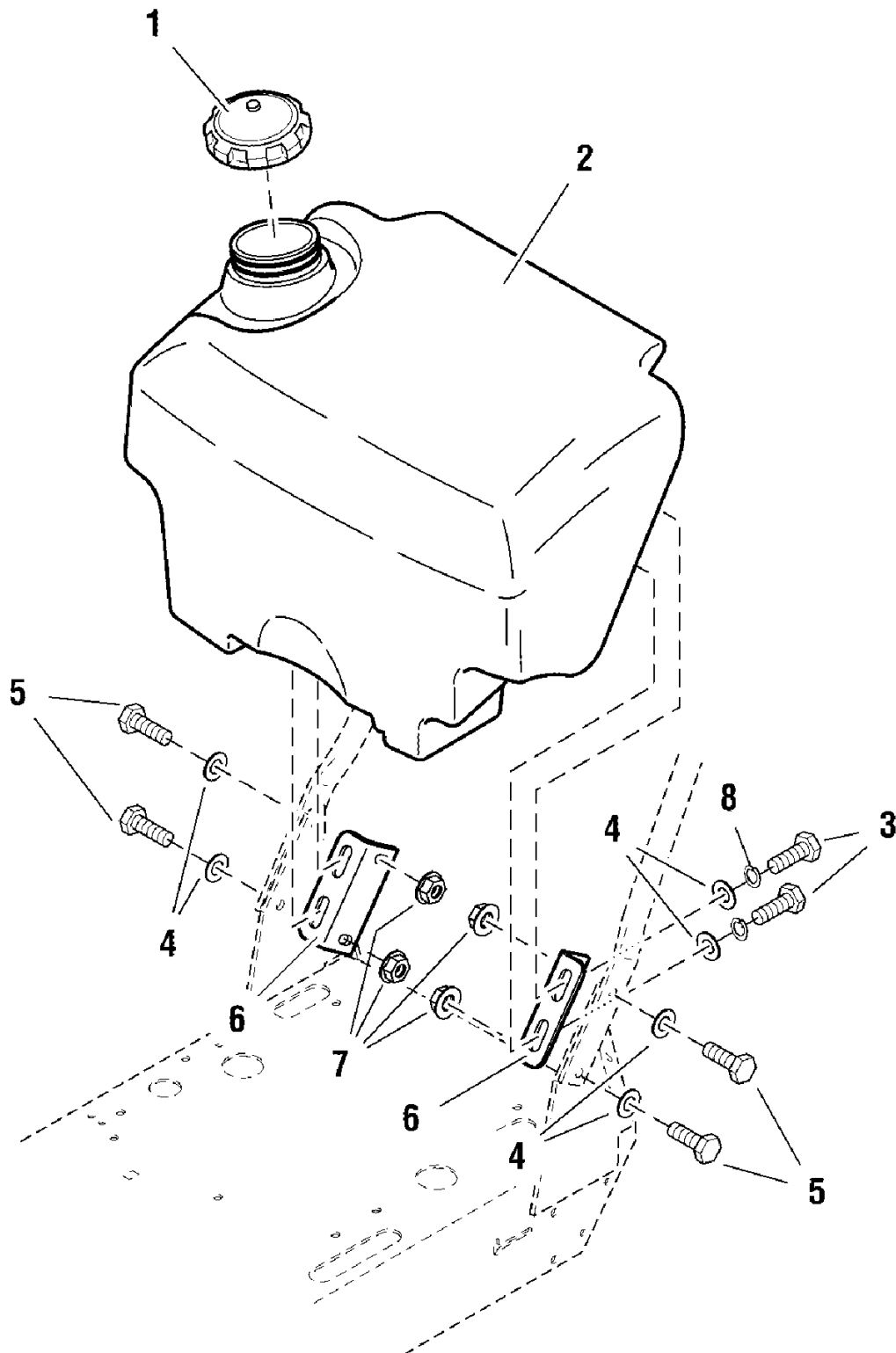
Footnotes:



Transaxle - SERVICE PARTS

Item	Part No	Qty	Description	Note
2	5022905X24	1	ASSEMBLY, SIDE HOUSING	
6	5022905X1	0.5 oz	SEALANT	
9	5022905X2	1	SHAFT, INPUT	
10	5022905X3	1	RING - RETAINING	
11	5022905X4	1	SPACER	
12	5022905X5	3	RING - RETAINING	
13	5022905X16	1	SEAL, Lip, .67 x 1.58 x .276	
14	5022905X6	1	BALL BEARING	
17	5022905X18	1	SEAL, LIP, 18 X 32 X 7	
32	5022905X7	2	OUTBOARD SLEEVE BEARING	
34	5022905X17	2	LIP SEAL, Axle Seal	
35	5022905X8	1	AXLE SHAFT - RH	
36	5022905X9	1	AXLE SHAFT - LH	
51	5022905X19	1	SEAL, LIP, .741 X .250 X .250 TC	
55	5022905X10	1	SPRING - HELICAL COMPRESSION	
56	5022905X11	1	WASHER	
57	5022905X12	8.8 oz	20W-50 OIL	
67	5022905X22	1	BOLT, SQ. HD. 5/16-24 RIBBED	
74	5022905X20	1	KIT, SEAL	
101	5022967	1	HYDRO RETURN SPRING	
103	5022905X21	1	BRACKET, TORQUE	
119	5022905X13	1	FAN, 6", 10 BLADE	
128	5022905X14	1	EXPANSION TANK KIT	
130	5022905X15	1	FAN/PULLEY KIT	(Includes Ref. No. 119)

Footnotes:



Fuel Tank & Mount Group

Item	Part No	Qty	Description	Note
1	5022158	1	CAP, FUEL TANK, 3-1/2" NECK	
2	5048149	1	TANK, FUEL	
3	5025013X6	4	BOLT, 3/8-16 X 3/4" GD5 YZ	
4	5025156	8	WASHER, 3/8" SAE	
5	5025013X10	4	BOLT, 3/8-16 X 1-1/4" GD5	
6	5049228D	2	MOUNT, FUEL TANK	
7	5025394	4	NUT, 3/8-16 HEX NYLOCK FLANGE	
8	5025171	4	WASHER, 3/8" SPLIT LOCK	

Footnotes:

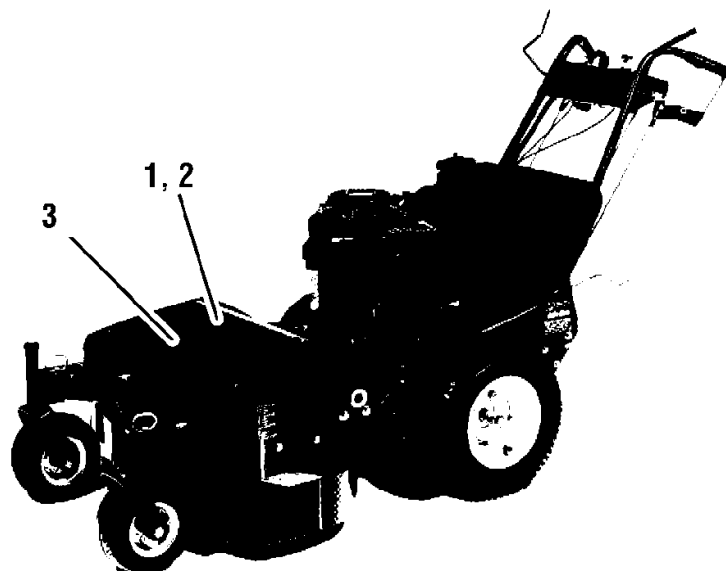
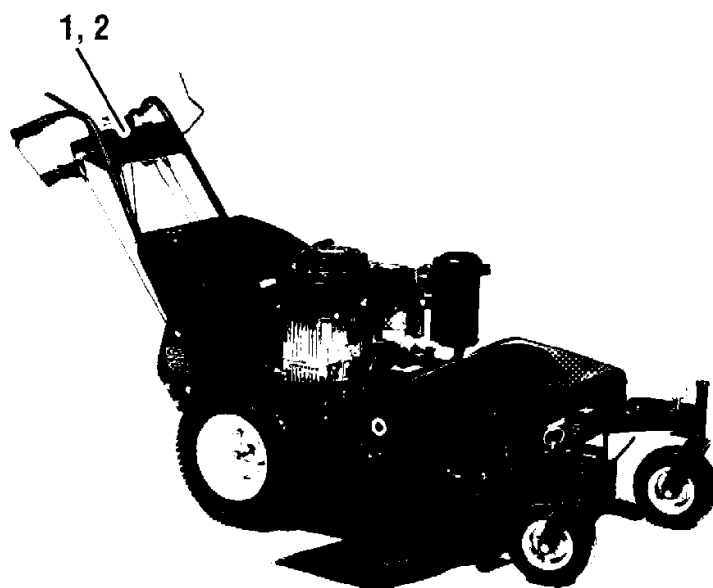
Fuel Supply Hose & Tank Replacement Parts Group - Electric Start

Item	Part No	Qty	Description	Note
1	5020835	6	CLAMP, HOSE, EXTERNAL, 1/2 - RED	
2	5050831X7	1	HOSE, 1/4" FUEL, 7.00"	<i>(supplied with engine)</i>
3	5021178X3	1	FUEL FILTER	<i>(supplied with engine)</i>
4	5050831X35	1	HOSE, 1/4" FUEL, 35.00"	
5	5050833X23	1	WIRE LOOM, 1/2" ID, 23" LONG	
6	5021235	1	VALVE, FUEL SHUT OFF	
7	5050831X5	1	HOSE, 1/4" FUEL, 5.00"	
8	5023061	1	ELBOW FITTING	
9	1726400	1	GROMMET	
10	5023069	2	HOSE CLAMP	
11	5050925X20	1	HOSE, 20"	
12	5023067	1	SCREEN FITTING	

Footnotes:

1 ———  *Simplicity*

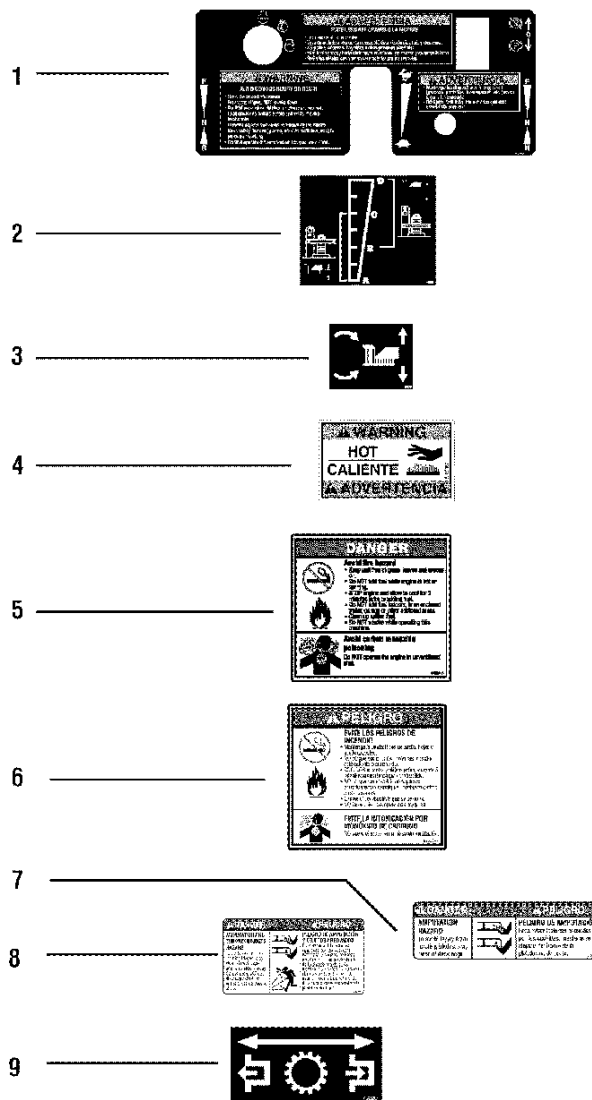
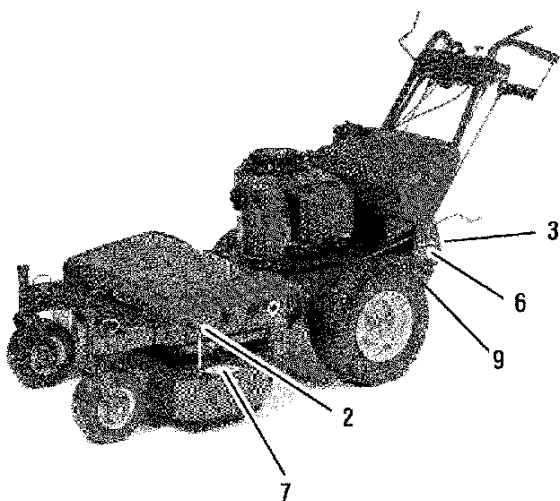
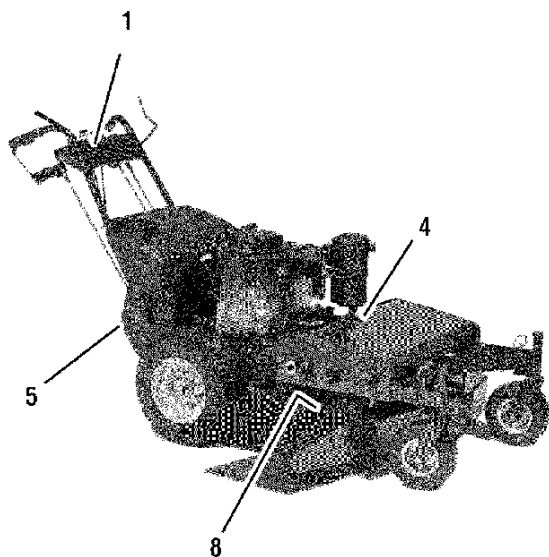
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Decals - Brand & Model

Item	Part No	Qty	Description	Note
1	1722551	2	DECAL, SIMPLICITY LOGO GV3079178	
2	7100246	2	DECAL, SNAPPER PRO	
3	5075563	1	DECAL, 32" SILVER COMMERCIAL	(Not Shown)

Footnotes:

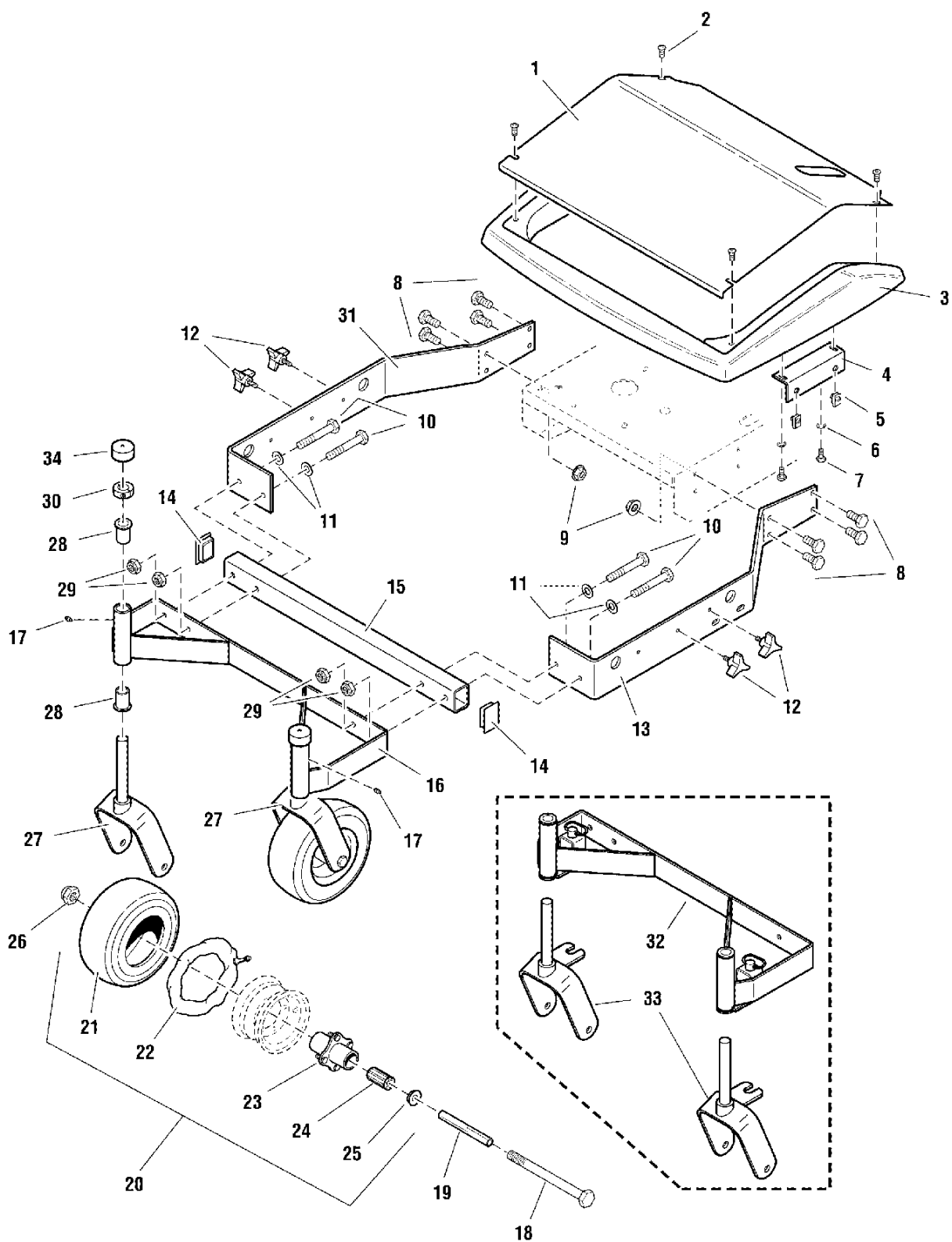


Decals - Safety & Instruction

Item	Part No	Qty	Description	Note
1	5100386	1	DECAL, CONTROL PLANEL, HC	
2	5049318	1	DECAL, HEIGHT OF CUT	
3	5047778	1	DECAL, DECK HEIGHT ADJUST	
4	5100387	1	DECAL, WARNING, HOT	
5	5049658	1	DECAL, DANGER	
6	5100388	1	DECAL, DANGER, FIRE (SP)	
7	5100088	1	DECAL, DANGER, MOWER	
8	5100089	1	DECAL, DANGER, MOWER DISCHARGE	
9	5049320	1	DECAL, HYDRO RELEASE	

Footnotes:

32" Mower Deck - Frame, Caster & Shield Group

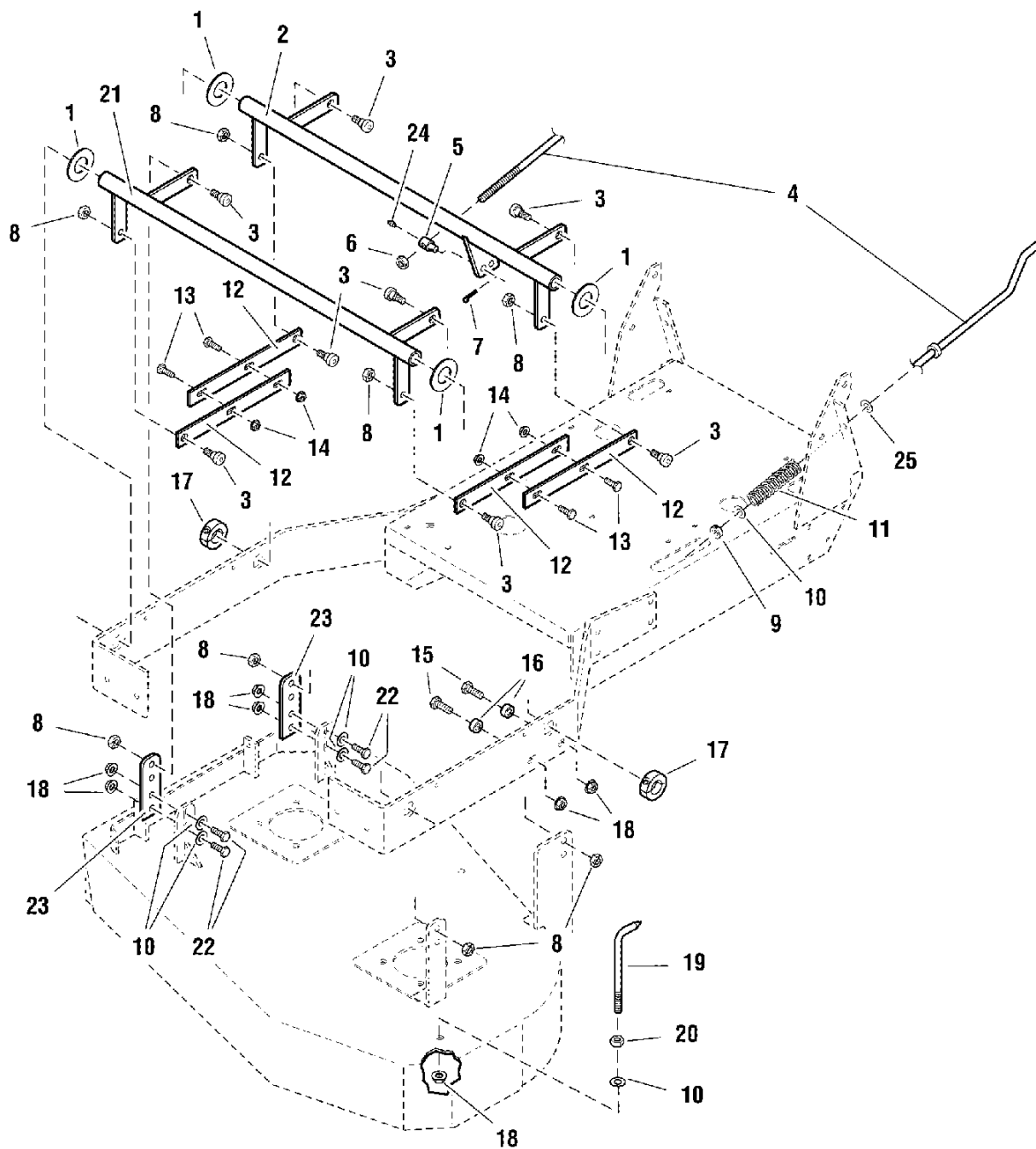


32" Mower Deck - Frame, Caster & Shield Group

Item	Part No	Qty	Description	Note
1	5048145D	1	SHIELD INSERT	
2	5025299X4	4	SCREW, Allen Head, 1/4-20 x 1/2	
3	5048150	1	GUARD, MOWER HOUSING	
4	5048353D	2	SHIELD MOUNT BRACKET	
5	5022308	4	BODY CLIP, 5/16-18	
6	5025169	4	WASHER, 1/4" Lock	
7	5025010X6	4	BOLT, 1/4-20 x 3/4	
8	5025013X8	8	BOLT, 3/8-16 x 1	
9	5025128	8	NUT, 3/8-16 Hex Serrated Flange	
10	5025013X20	4	BOLT, 3/8-16 x 2-1/2	
11	5025156	4	WASHER, 3/8" SAE	
12	5022319	4	KNOB	
13	5047648D	1	FRAME RAIL - LH	
14	5022098	2	CAP, Plastic	
15	5048194D	1	CROSS TUBE	
16	5048969	1	CASTER MOUNT FRAME, Complete	(Includes Ref No. 17 & 28)
17	5020095	2	GREASE FITTING	
18	5025017X44	2	BOLT, 1/2-13 x 5-1/2	
19	5041657	2	AXLE, Caster Wheel	
20	5021181S	2	WHEEL & TIRE ASSEMBLY, Silver, 9 x 3.5 x 4, Complete	(Includes Ref No. 21 - 25)
21	5021181X1	2	TIRE, Front, 9 x 3.5 x 4	
22	5021181X2	2	TUBE	
23	5021181SX3	2	HUB & BEARING ASSEMBLY, Complete, Silver	(Includes Ref No. 24 & 25)
24	5021182	2	BEARING, Roller	(1 per tire)
25	5021043	4	RETAINER, Bearing	(2 per tire)
26	5025056	2	NUT, 1/2-13 Hex Nylon Lock	
27	5048172D	2	CASTER YOKE	(Use with Ref No. 16, part no. 48969)
28	5020823	4	BUSHING, Flange	
29	5025096	4	NUT, 3/8-16 Hex Nylon Lock	
30	5010114	2	COLLAR, 3/4" Split	
31	5047649D	1	FRAME RAIL - RH	
32	5048968	1	CASTER MOUNT FRAME W/ LOCKS, Complete	(Includes Ref No. 17 & 28)
33	5048965D	2	CASTER YOKE	(Use with Ref No. 32, part no. 48968)
34	5023274	2	CAP,VINYL, 1.375 X 1	

Footnotes:

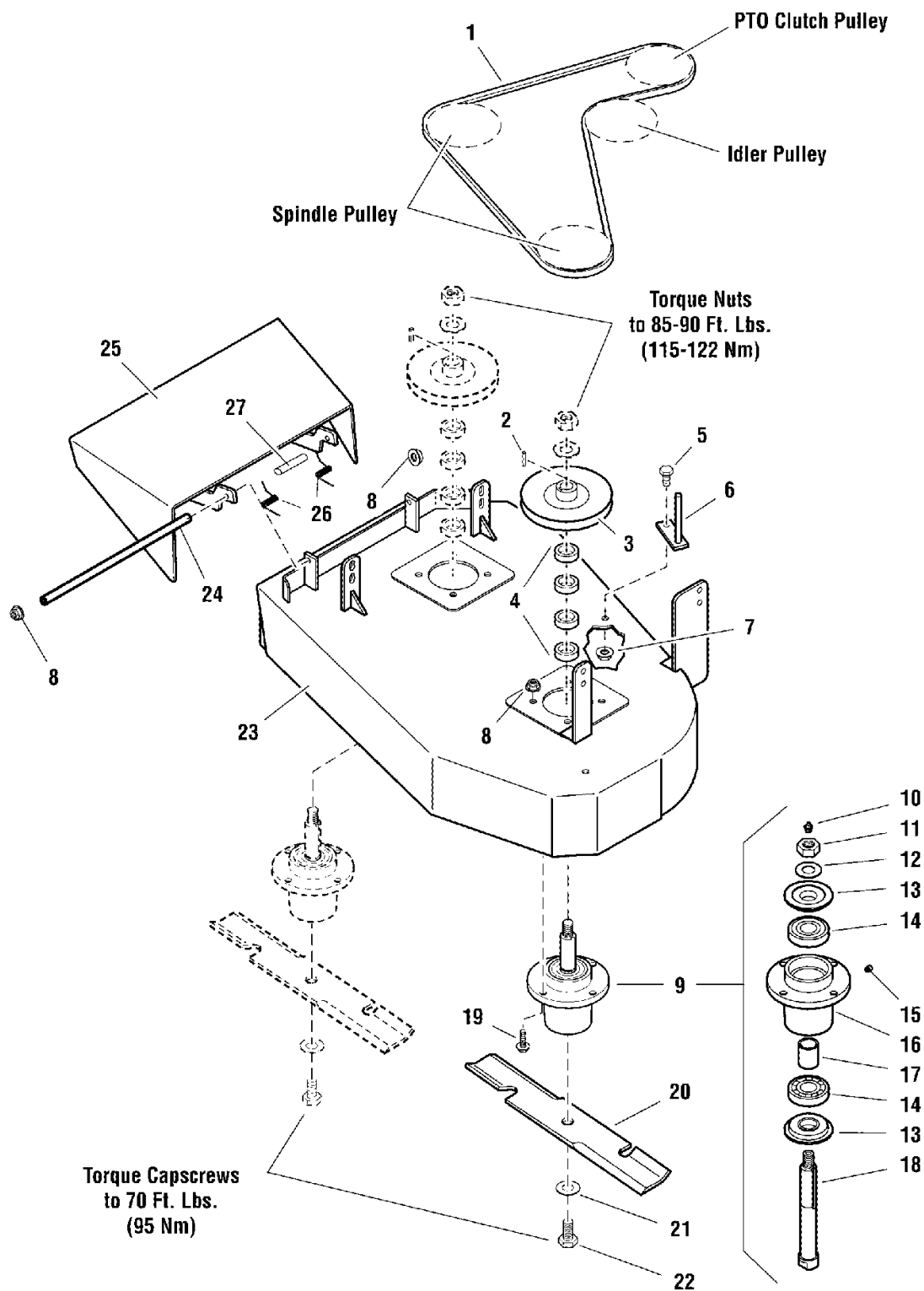
32" Mower Deck - Height Adjustment Group



32" Mower Deck - Height Adjustment Group

Item	Part No	Qty	Description	Note
1	5025162	4	WASHER, 1" SAE	
2	5047682D	1	DECK LIFT PIVOT - REAR	
3	5025356	8	SHOULDER BOLT, 1/2 x 3/8	
4	5047655	1	HEIGHT ADJUST ROD	
5	5048526	1	LINKAGE ADJUSTER	
6	5025100	1	NUT, 3/8-16 Hex Side Lock	
7	5025201X6	1	COTTER PIN, 3/32" x 3/4"	
8	5025046	8	NUT, 3/8-16 Hex Top Lock	
9	5010546	1	COLLAR, 3/8" Set	
10	5025156	6	WASHER, 3/8" SAE	
11	5022645	1	SPRING, Compression	
12	5047710D	4	DECK ADJUST LINK	
13	5025011X8	4	BOLT, 5/16-18 x 1	
14	5025139	4	NUT, 5/16-18 Hex Large Serrated Flange	
15	5025013X10	2	BOLT, 3/8-16 x 1-1/4	
16	5044933	2	SPACER, .39 x .75 x .38	
17	5048549	2	COLLAR, Double Split, 1"	
18	5025128	7	NUT, 3/8-16 Hex Serrated Flange	
19	5047737	1	CUT HEIGHT INDICATOR	
20	5025034	1	NUT, 3/8-16 Hex	
21	5047681D	1	DECK LIFT PIVOT - FRONT	
22	5025013X6	4	BOLT, 3/8-16 x 3/4	
23	5048439D	2	HANGER PLATE	
24	5020095	1	GREASE FITTING	
25	5048548	1	WASHER, 3/8" NYLON HYDRO CUT	

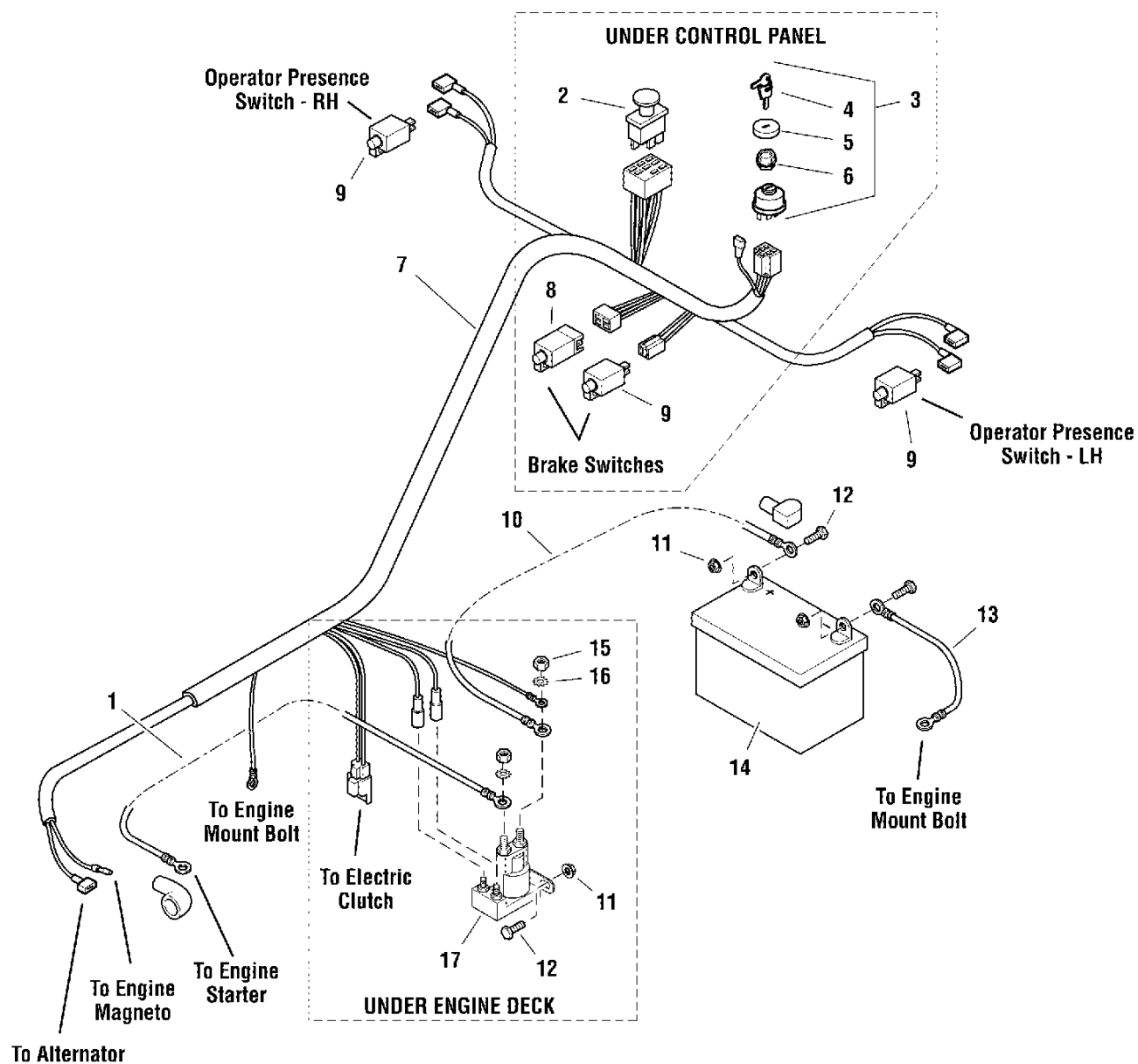
Footnotes:



32" Mower Deck - Housing, Spindles, Blades & Pulleys

Item	Part No	Qty	Description	Note
1	5022918	1	BELT	
2	5050407X1	2	KEY, 1/4 SQ. X 1	
3	5047638	2	SPINDLE PULLEY	
4	5041476	8	SPACER, 1.02 X 1.56 X .50	
5	5025013X8	1	BOLT, 3/8-16 x 1	
6	5047777D	1	BELT GUIDE	
7	5025126	1	NUT, 1/4-20 Hex Serrated Flange	
8	5025392	10	NUT, 5/16-18 Hex Nylock Flange	
9	5061096	2	SPINDLE ASSEMBLY, Complete	(Includes Ref No. 10 - 18)
10	5023329	2	GREASE FITTING	
11	5025405	2	NUT, 3/4-16 Hex	
12	5025406	2	WASHER, 3/4" Belleville	
13	5049793	4	TRASH SHIELD	
14	5023330	4	BEARING	
15	5023296	2	RELIEF VALVE	
16	5061097	2	SPINDLE HOUSING	
17	5061099	2	SPACER, 1.00 x 1.25 x 1.75	
18	5061100	2	SPINDLE SHAFT	
19	5023156	8	BOLT, Flange Head, 5/16-18 x 1-1/4	
20	5020843	2	MOWER BLADE, 16-1/4"	
21	5025159	2	WASHER, 5/8" USS	
22	5025320X14	2	BOLT, 5/8-11 x 1-3/4	
23	5047576D	1	WELD, MOWER DECK, 32" - RED	(Includes safety decals)
24	5045914	1	ROD, CHUTE PIVOT	
25	5047724D	1	WELD, DISCHARGE CHUTE	
26	1723938	2	SPRING, TORSION	
27	5045638	1	SPACER, TORSION SPRING-SHORT	

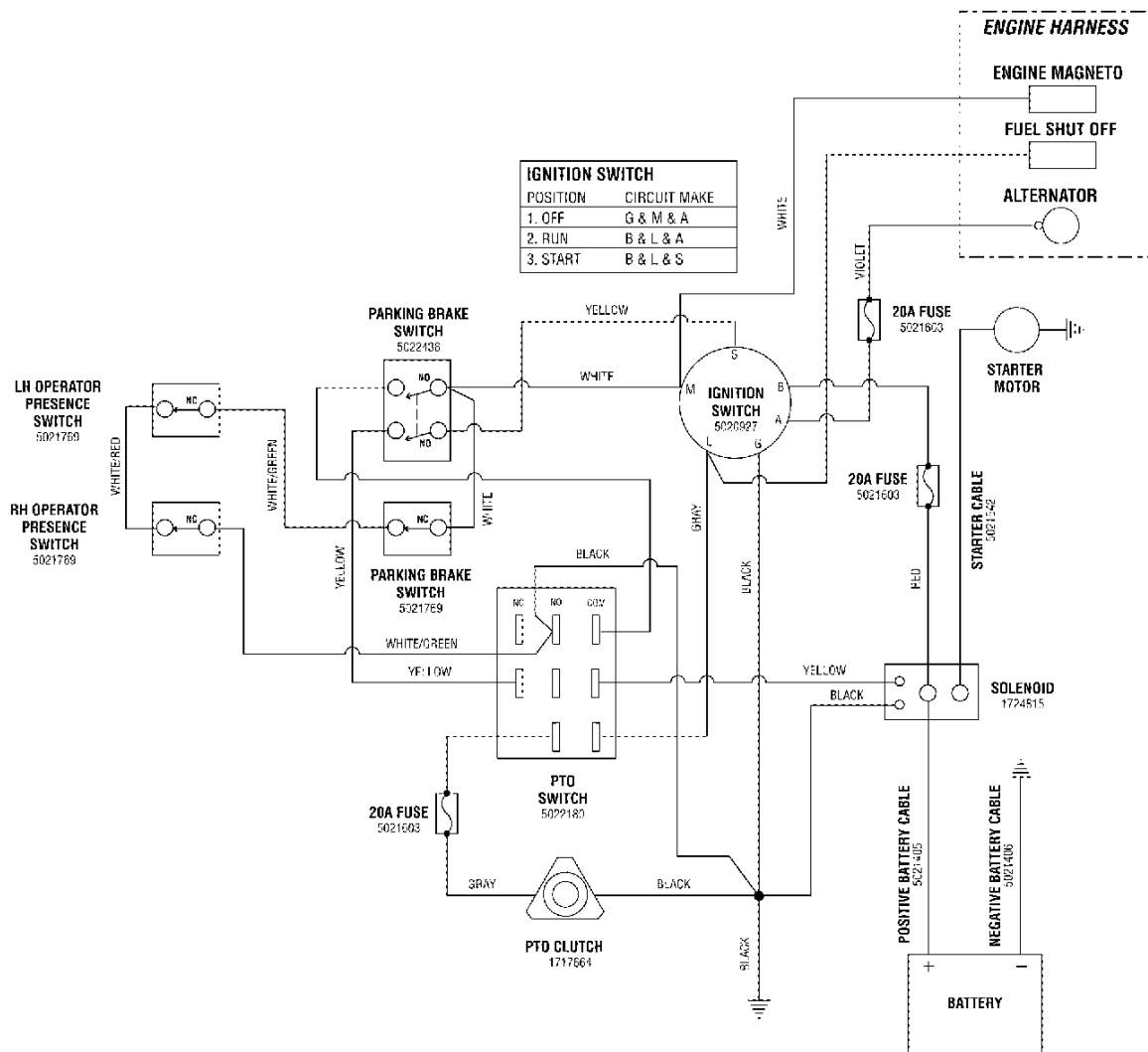
Footnotes:



Electrical Group - Electric Start

Item	Part No	Qty	Description	Note
1	5021542	1	POSITIVE (+) BATTERY CABLE, 30"	<i>(See Motion Control, Parking Brake & Operator Presence Group - Electric Start)</i>
2	5022180	1	SWITCH, PTO	
3	5020927	1	SWITCH, Ignition, Complete	<i>(Includes Ref No. 4 - 6)</i>
4	5022789	1	KEY, Ignition, Molded Set	
5	5022790	1	COVER	
6	5022791	1	PLASTIC NUT	
7	5061470	1	WIRE HARNESS	
8	5022438	1	SWITCH, Plunger, NO/NO	
9	5021769	3	SWITCH, Plunger, NC	
10	5021405	1	POSITIVE (+) BATTERY CABLE, 22"	
11	5025126	4	NUT, 1/4-20 Hex Serrated Flange	
12	5025010X6	4	BOLT, 1/4-20 x 3/4	
13	5021406	1	NEGATIVE (-) BATTERY CABLE, 22"	
14	-	1	BATTERY, Lawn & Garden, 12V (BCIU1, 340 CCA)	
15	5023216	2	NUT, Hex Jam, 5/16-24	
16	5023217	2	WASHER, Light Lock, 5/16	
17	1724815	1	SOLENOID	

Footnotes:



Electrical Schematic - Electric Start

Item	Part No	Qty	Description	Note
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Footnotes:

Parts Manual for

SNAPPER®

**PRO 32" HYDRO DRIVE
COMMERCIAL MOWERS
HYDRO CUT SERIES**

IT IS THE POLICY OF SNAPPER TO IMPROVE ITS PRODUCTS
WHENEVER IT IS POSSIBLE AND PRACTICAL TO DO SO. WE
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